

FIG. 1

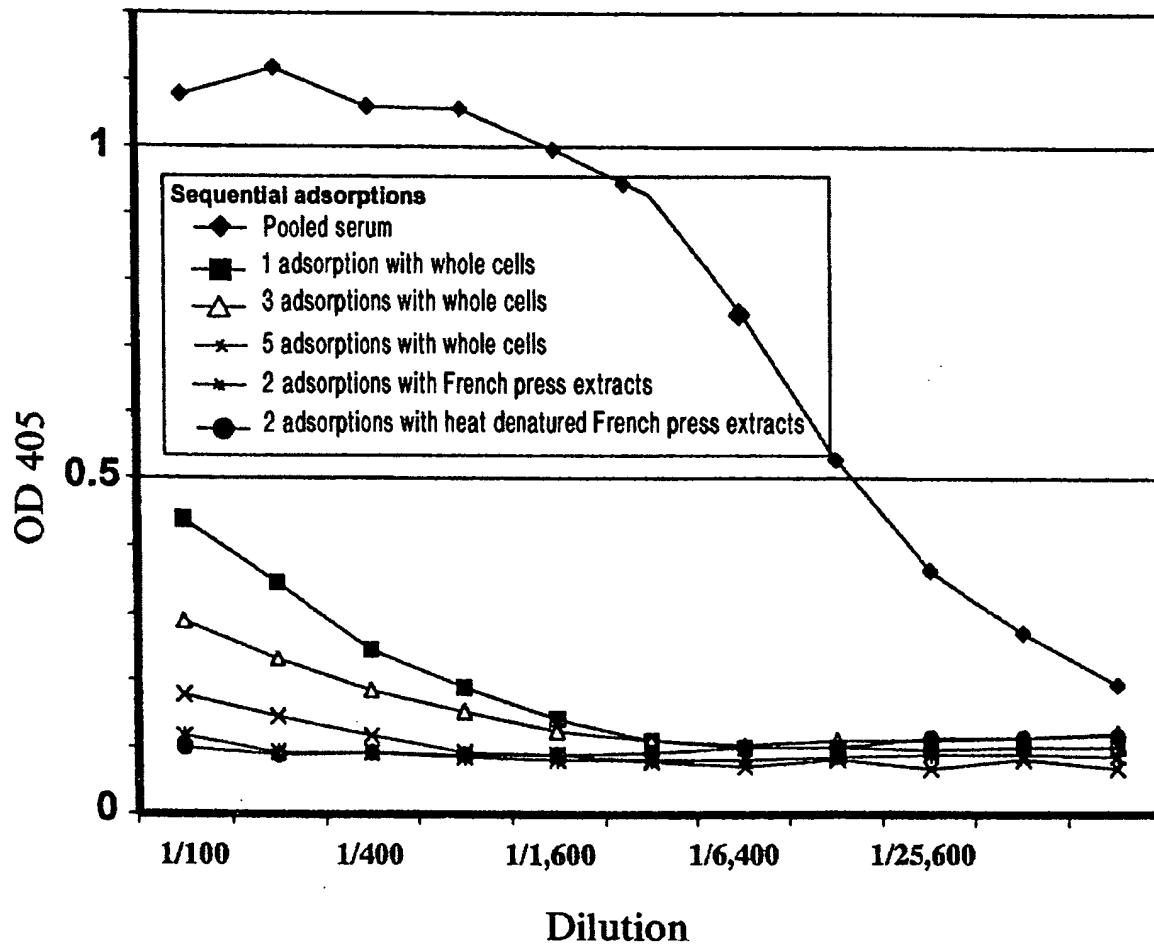


FIG. 2

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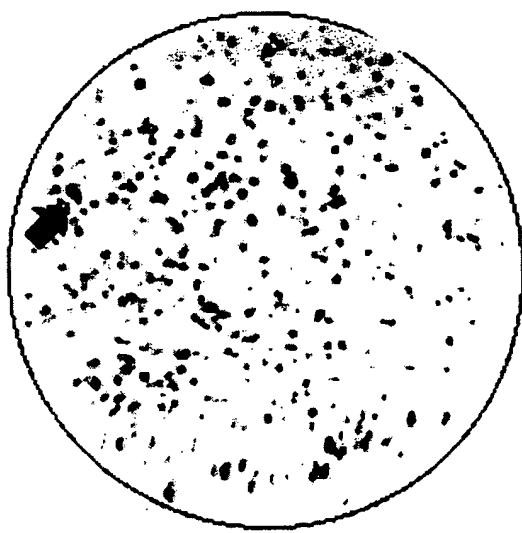


FIG. 3A

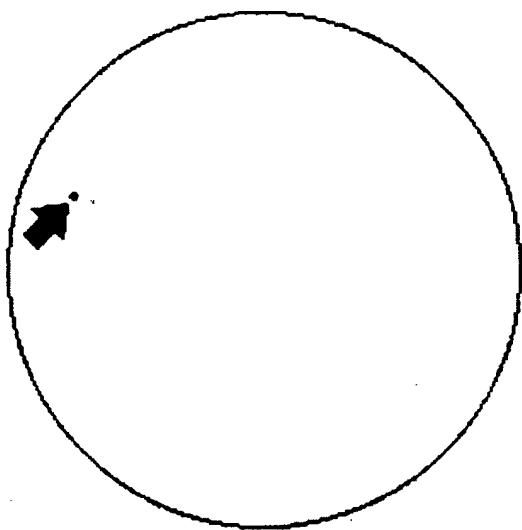


FIG. 3B

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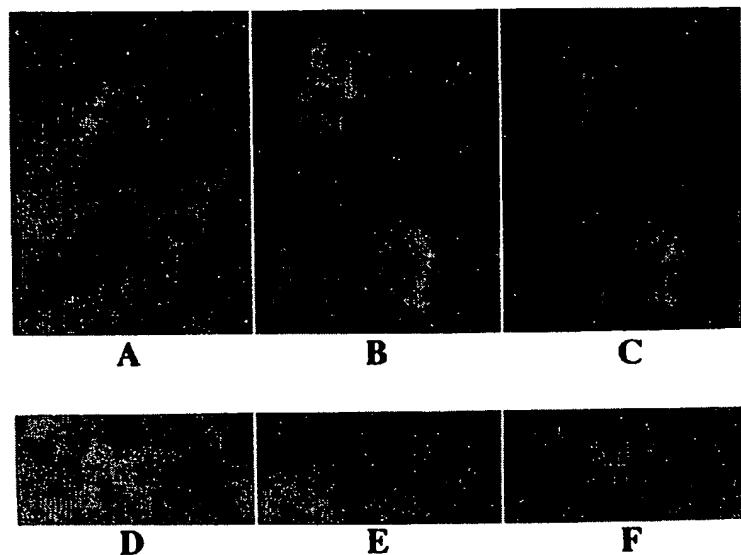


FIG. 4

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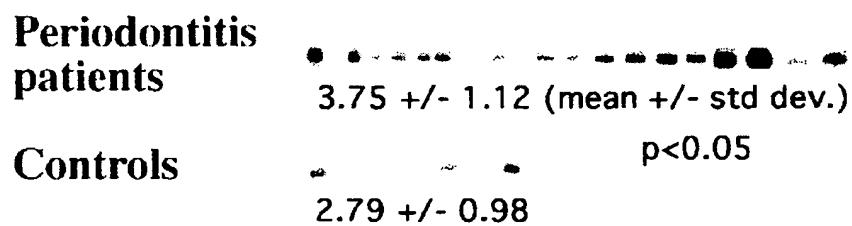


FIG. 5

Table 2. Confirmation and characterization of the IVAT subclones.

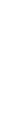
Subclone	Reactivity with human sera +IPTG	Strongest homology (identity at amino acid level)	Organism	Possible biological role	Reference
PET30b/ BL21(DE3)		HlpA (67%)	<i>H. influenzae</i>	Virulence associated lipoprotein	(14)
Aa2004		Orf4 (100%)	<i>16. actinomy-cetemcomitans</i>	Glycosyltransferase	(15)
Aa2005		Hl0701 (68%)	<i>H. influenzae</i>	Unknown	
Aa2008		SurE (63%)	<i>H. influenzae</i>	Stress associated	(16)
Aa2009		Hl0457 (83%)	<i>H. influenzae</i>	Unknown	
Aa2010		KthY (69%)	<i>H. influenzae</i>	Thymidylate kinase	(17)
Aa2011					

FIG. 6

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